

- * SWBAT differentiate between mass, weight, and volume
- * SWBAT define and measure motion and speed

Sep 6-2:31 PM

Welcome!!!

H. Leslie Grebe

Centering...

SECA Physics
Monday 30 September 2013

New people?

- * Pick up:
 - slip of paper (for later)

<http://www.youtube.com/watch?v=o5mL2Y2WNDs>

Eureka Mass

Opening Activity:

MOBILE
MOVE

How can we define motion???

BACK & FORTH

Bill Nye - Motion

<http://www.youtube.com/watch?v=hRBPirh0VGY>

~~STEADY~~ FLOW

TRAVELED A DISTANCE
DIFFERENT PLACE

Sep 7-7:04 AM

Let's observe motion...

MOTION IS CHANGE IN POSITION
COMPARED TO = RELATIVE TO FIXED POINT
BILL NYE MOVING? YES - PLATFORM
NO - CAMERA

CHANGE IN

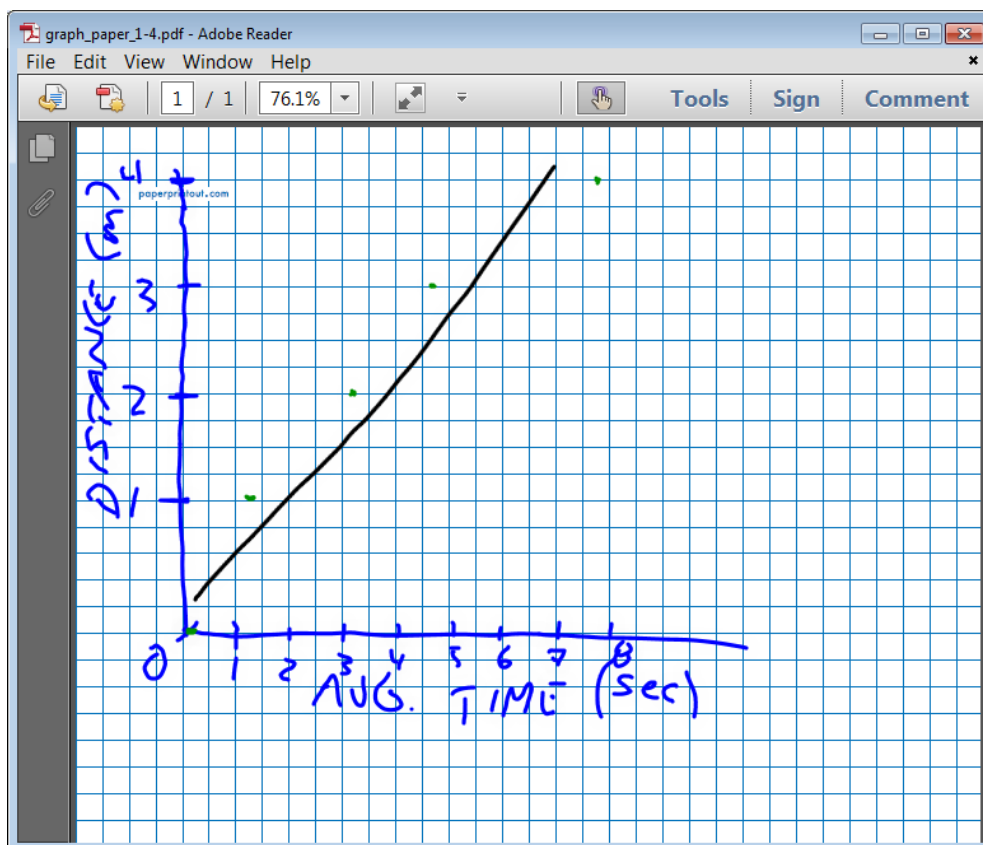
$$\text{SPEED} = \frac{\Delta \text{DISTANCE}}{\Delta \text{TIME}}$$

SPEED IS CHANGE IN DISTANCE
OVER CHANGE IN TIME

Oct 4-7:27 AM

- Collect data in Excel
- Rules for good graphs...

Oct 3-7:40 AM



Sep 30-9:06 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

| Name | Period |
|------|--------|
| 1. | |
| 2. | |
| 3. | |

Sep 9-7:32 AM

1. MOTION is measured relative (or compared) to a fixed point.

2. For our experiment, when did we **start** our stopwatches?

A. When the ball was released

☒ B. When the ball got to the bottom of the ramp

C. When the ball passed the mark in front of the person timing

3. SPEED = $\frac{\text{change in distance}}{\text{change in time}}$

Sep 14-7:28 AM